

ABSTRACT OF THE DISCLOSURE

There is provided a method and system for optical imaging of a light scattering object. The method comprises the detection of one or more time-gates of a temporal point spread function (TPSF) to be used to construct an image of optical properties of the object. The method also comprises the simultaneous detection of two or more selected time-gates using a time-gated camera. The method enables more efficient spatial-temporal acquisition of optical signals for imaging purposes.